

SUMMARY OF THE DISCOVERY

BOTANICAL CLASSIFICATION:

Clematis viticella

VARIETY DENOMINATION

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'EVIpo002'

COMMERCIAL CLASSIFICATION:

Early-Large Flowering Cultivar

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The present discovery constitutes a new and distinct variety of Clematis which originated from an uncontrolled pollination of two unknown Clematis plants. The claimed plant was discovered 15 in a cultivated area. The new variety is named 'EVIpo002'.

The objective of the selection of this Clematis variety for commercial glasshouse and nursery culture was to create a new and distinct variety 20 with unique qualities such as:

1. Large full form red-purple flowers
2. Compact Growth
- 25 3. Yellow flower center

4. Strong flower color with good color retention

These qualities required improvement in Clematis
5 varieties that were in commercial cultivation and
the objectives have been substantially achieved in
the new variety, as evidenced by the unique
combination of characteristics that are present in
'EVIpo002' which distinguish it from all other
10 varieties of which we are aware.

Evaluations were conducted on the discovered
seeling in a controlled environment. 'EVIpo002'
was selected by Raymond J. Evison and Mogens N.
15 Olesen in their Clematis development program in
Domarie Vineries Les Sauvagees, St. Sampsons,
Guernsey, Channel Islands, United Kingdom in April
1997.

Asexual reproduction of 'EVIpo002' by cuttings was
20 first done by Raymond J. Evison and Mogens N.
Olesen in Domarie Vineries Les Sauvagees, St.
Sampsons, Guernsey, Channel Islands, United
Kingdom in May 1997. This initial and subsequent
propagations have demonstrated that the
25 characteristics of 'EVIpo002' are true to type and

are transmitted from one generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration show as true as is reasonably possible to obtain in color photographs of this type:

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Fig. 1.1 Juvenile foliage attached to stems, petiole, petiolule, and stems;

Fig. 1.2 Mature foliage with petiole;

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Fig. 1.3 Bracts and various stages of flower development;

Fig. 1.4 Open flower, upper side

Fig. 1.5 Open flower, lower side

DETAILED DESCRIPTION OF THE VARIETY

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The following is a detailed description of 'EVIpo002', as observed in its growth throughout the flowering period in glasshouses at Domarie Vineries Les Sauvagees, St. Sampsons, Guernsey, Channel Islands, United Kingdom. Plants were

cultivated for two years in two liter pots.
Certain phenotypical characteristics of the
variety may vary under different environmental,
cultural, agronomic, seasonal, and climatic
5 conditions. Color references are made using the
Royal Horticultural Society (London, England)
Colour Chart, 2001.

For a comparison, the nearest existing
Clematis variety is 'Niobe', a non-patented
10 variety. **Chart 1** details several physical
characteristics of the claimed Clematis plant and
the comparison variety.

Chart 1

	'EVIpo002'	'Niobe'
15	Leaflet size	40 to 50 mm
	Tepal width	30 to 40 mm
	Flower diameter	120 to 180 mm
	Tepal overlap	Tepals overlap by 5 to 10 mm
		Tepals do not normally overlap

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FLOWER AND FLOWER BUD

Blooming habit: Normally blooms in April, May,
and June recurring in August,

September, and October.

Flowering may be prolonged throughout the growing season if pruned accordingly.

5 **Flower bud:**

Size: 30 to 40 mm in length. 10 to 13 mm in diameter.

Bud form: Long ovoid

Bud color: Red Purple Group 61A at 1/4
10 opening.

Tepals: Purple Group N79C.

Peduncle: Surface: Smooth
Length: 90 to 120 mm average
 length.

15 Color: Green Group 131A.

Strength: Strong
Diameter: 2 mm.

20 Borne: Normally compound cymes. Early
 season flowers may be borne
 single.

Flower bloom:

Size: 120 to 180 mm in diameter.

25 Form: Upon opening: Flat with tepals

slightly
reflexing.

5 Depth: Flower depth as viewed from the
 side is 5 to 10 mm.

Reproductive parts protrude
giving flower overall depth of
15 to 20 mm.

10 Tepal Color: Upon opening;
 Upper Surface is Red-
 Purple Group 71A.
 Lower Surface is Red-
 Purple Group 71A.

15 After opening;
 Upper Surface is Red-
 Purple Group 71A.
 Lower Surface is Red-
 Purple is Purple N79C. At
 the basal zone, tepals are
 Violet N90A.

20 Variations: As the flower matures, the
 upper surface of the tepal
 exhibits more blue tones and

tends towards Purple RHS79C.

Fragrance: None to very light floral fragrance.

5 Lasting quality on plant and as a cut flower:

2 to 5 days as a cut flower.

Flowers persist 7 to 12 days on the plant.

Tepals:

10 Tepal Count: Single

Average: 6

Shape: Obovate. Base is obtuse. Apex is mucronate.

15 Size: Normally 70 to 80 mm long by 30 to 38 mm wide.

Cross section: Reflexed.

Undulation of margin:

20 Sepal margin is entire with slight undulations, 1 to 2 in quantity, along the length of the tepal. The depth of these undulations is typically 5 to 10 mm.

Tepal apex: Cuspidate.

25 Recurvature of tip:

Slight.

Persistence: Tepals drop off cleanly.

Arrangement: Tepals are arranged regularly.

Reproductive Organs:

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Pollen:

Quantity: Average.

Color: Yellow Group 11B.

Anthers:

Length: 4 to 7 mm.

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Color: Yellow Group 11B.

Arrangement: Regular.

Filaments: Color: White Group 155A.

Pistil: Quantity: 30 to 45.

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Stigmas: Protrude from flower as it reaches full maturity.

Styles: Yellow Group 11B.

Seed Production: Under normal conditions, each ovary will produce 15 to 25 seeds.

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Seed is Green Group 143C in color and is circular to tear shaped. Seed diameter is 2 to 3 mm with an elongated plumule 15 to 25 mm in length.

PLANT

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Plant form: Climbing and spreading.

Plant growth: Moderately vigorous.

Height: Season's growth attains 2 to 2.5
meters.

Width: 1 to 2 meters.

5 **Hardiness:** Trials to date show the variety
hardy in USDA Zones 4-9.

Stems:

Color: Young wood: Red Purple Group
61A.

10 Older wood: Greyed Orange
Group 165C.

Internodes: Cylindrical. Length: 180 to 120
mm.

15 Dimensions: Normally 1 to 2 meters in
length. Diameter is 2 to 3 mm
on average.

Petioles:

Size: Average length:
60 to 80 mm.

20 Color: Red Purple 61A.
Undersurface: Smooth.

Clasping: By leaf Petiole.

Bark: Young wood: Smooth.
Older wood: Smooth.

Plant foliage: Deciduous.

Form: Three broadly ovate leaflets
arranged in pinnate form.

Terminal Leaflet size: 40 to 50mm in length
by 70 to 80 mm wide.

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Compound Leaf Size: On average, 120 mm
long by 100 mm wide.

Abundance: Above Average.

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Color: Above: Green Group 137B.
Bottom: Green Group 137B.

Plant leaves and leaflets:

Stipules: Absent.

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Petioloule: Length: 10 to 30 mm.

Color: Red Purple 61A.

Leaf Edge: Terminal leaflet margin is
entire with mild undulations.

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Shape: Base of leaflet: Rounded to
Cordate.

Apex of leaflet: Acute.

Texture:

Upper side: Rough.

Lower side: Rough.

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Thickness: Moderate.

Glossiness: Matte Finish.

Disease resistance:

Subject to any disease that normally attacks the
5 species, however the variety is more tolerant to
Botrytis and mildew than some Clematis.